

RoHS  
Compliant



## Application:

For indoors and outdoors, in dry as well as wet location on motorised vehicles, or battery powered equipment such as forklifts and field conveyors. Also suitable for use in high quality booster cables.

## Cable Standards:

Made in accordance with the following:

Figure of 8 configuration based on VDE0250  
BS EN 60332-1-2, BS EN 62230

## Construction:

Conductor : Class 6 extra flexible copper conductor to BS EN 60228  
(previously BS 6360)  
Insulation : TPE (Thermoplastic Elastomer)  
Sheath : PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

## Characteristics:

Voltage Rating (Uo/U) : 450/750V  
Temperature Rating : -20°C to +70°C  
Min. Bending Radius : 6 × overall diameter  
Insulation Colour : Red and Black  
Sheath Colour : Transparent

## Electrical Characteristics:

Current Carrying Capacity

No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Current Rating at 60°C Amps
2	6	54
2	10	73
2	16	98
2	25	129

## De-Rating Factors:

Ambient Temperature	25°C	30°C	35°C	40°C	45°C
De-Rating Factor	1.00	0.96	0.9	0.88	0.83

To allow the operator to handle the cable during use, with suitable gloves, a maximum conductor temperature of 60°C is advisable.

## Conductors:

Class 6 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm <sup>2</sup>	Stranding	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C
			Plain Wires Ω/km
6	8mm × 24mm × 0.19mm	0.21	3.3
10	19mm × 16mm × 0.19mm	0.21	1.91
16	19mm × 26mm × 0.19mm	0.21	1.21
25	19mm × 41mm × 0.19mm	0.21	0.78

The above table is in accordance with BS EN 60228 (previously BS 6360)

## Dimensions:

Part Number	No of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	AWG Size	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000894	2	6	10	1	1	5.3 × 12.6	190
PP000895	2	10	8	1	1.2	6 × 13.8	294
PP000896	2	16	6	1	1.2	6.7 × 15.2	420
PP000897	2	25	4	1.1	1.3	8.1 × 18	627

## Part Number Table

Description	Reel Length (m)	Part Number
Twinflex PVC Battery Cable	25	PP000894
		PP000895
		PP000896
		PP000897

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.